

AMENDED CLAIM SET:

1. – 7. (cancelled).

8. (currently amended) A process ~~Process~~ for examining the visual functions of the eye, which comprises:

determining with the help of periodically moving test images the visual function of the eye, then

inducing photostress by illuminating the eye with an intense light, ~~[[and]]~~

measuring the time needed for the recovery of the visual function before the illumination ~~further comprising using periodically moving test images for the examination, and~~

determining the visual function of the eye on the basis of detecting the phenomenon of optokinetic nystagmus.

9. (currently amended) A process ~~Process~~ for examining the visual function of the eye which comprises:

determining the visual function of the eye by measuring critical fusion frequency (CFF), then

inducing photostress by illuminating the eye with an intense light and

measuring the time needed for the recovery of the visual function before the illumination by measuring critical fusion frequency (CFF) ~~further comprising using for the determination of the visual function measuring of critical fusion frequency (CFF) before and after the photostress.~~

10. (currently amended) An apparatus ~~Apparatus~~ for examining the visual features of the eye which comprises:

a light source ~~[[1]]~~ suitable for illuminating a test image and inducing photostress,

a test image that can be illuminated with the light source,

an optical device projecting the light of the light source and/or the picture of the test image into the eye, ~~[[and]]~~

a clock measuring the time of the examination, ~~the apparatus further having~~
a test unit [(3)] suitable for moving and changing test images, and
a measuring unit [(6)] electrically connected to the test unit [(3)], which measuring
unit [(6)] contains a nystagometer [(61)] sensing the movement of the eye and a display unit
[(62)] and time measuring unit [(63)] connected to the test unit [it].

11. (currently amended) The apparatus ~~Apparatus~~ as claimed in claim 10, ~~characterised~~
~~by that~~ wherein the test unit [(3)] is constructed as a rotatable mechanic device.

12. (currently amended) The apparatus ~~Apparatus~~ as claimed in claim 10, ~~characterised~~
~~by that~~ wherein the test unit [(3)] is equipped with a screen displaying test images.

13. (currently amended) The apparatus ~~Apparatus~~ as claimed in claim 10, ~~characterised~~
~~by that~~ wherein there is a replaceable filter [(2)] between the light source [(1)] and the test
unit [(3)].

14. (currently amended) The apparatus ~~Apparatus~~ as claimed in claim 10, [(3)]
~~characterised by that~~ wherein the test unit [(3)] is constructed as a light source vibrating with
variable frequency.